

Name: _____

pa1030: Box multiplication of linear binomials (v12)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(3x + 9)$ and $(4x + 6)$.

*	$3x$	9
$4x$		
6		

ANSWER:

Question 2

Use the box method to multiply $(6x - 5)$ and $(3x - 4)$.

*	$6x$	-5
$3x$		
-4		

ANSWER:

Question 3

Use the box method to multiply $(-7x + 5)$ and $(-3x + 9)$.

*		

ANSWER: